	Application No.	Applicant(s)
	10/716 274	NAGAKUBO ET AL.
Notice of Allowability	10/716,374 Examiner	Art Unit
	Anabel M. Ton	2875
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is	in this application. If not included nunication will be mailed in due course. THIS
1. \boxtimes This communication is responsive to <u>05/23/05</u> .		
2. The allowed claim(s) is/are 1,3-34.		
3. \boxtimes The drawings filed on <u>18 November 2003</u> are accepted by	the Examiner.	
 4. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 6. CORRECTED DRAWINGS (as "replacement sheets") must be required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date 	e been received. e been received in Applicate cuments have been received of this communication to fill ENT of this application. eitted. Note the attached Experience reason(s) why the oather of the submitted. est be submitted. est be submitted. est on's Patent Drawing Review	ion No ed in this national stage application from the le a reply complying with the requirements (AMINER'S AMENDMENT or NOTICE OF or declaration is deficient.
(b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on	the drawings in the front (not the back) of
DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MA	FERIAL must be submitted. Note the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date	6. ☐ Interview : Paper No 08), 7. ☐ Examiner'	nformal Patent Application (PTO-152) Summary (PTO-413), ./Mail Date s Amendment/Comment s Statement of Reasons for Allowance
of Biological Material	9. 🗌 Other	 ·

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DETAILED ACTION

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Allowable Subject Matter

1. Claims 1-34 are allowed.

- 2. The following is an examiner's statement of reasons for allowance: The prior art cited does not teach the instant invention for the following reasons:
 - Ohkawa (6,755,546) teaches a light guide plate for use in an LCD display with an emission face and a back face wherein the back face is provided with a great number of micro-reflectors that reflect the light emitted from the light source through the light guide plate. The micro-reflectors have a pair of slopes, which meet each other to form a ridge that gets closer with an increasing distance from the incidence face, forming a prismatic like shape. The micro reflectors have a fine unevenness and the formation of the micro reflectors (covering rate; are covered by micro reflectors per unit area) may be adjusted depending on the position on the back surface and are preferably arranged to have no striking periodic regularity in order to prevent and overlapping relation with other fine elements. Although having micro reflectors that lack periodic regularity in placement on the light guide plate, Ohkawa does not teach a planar illuminator having a reflection surface on which minute concavo-convex shapes are substantially randomly formed, the light irradiated from the light source is diffusively reflected by the reflection surface and wherein a prism shaped prism sheet is disposed between the reflection surface of the planar illuminator and the

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illuminated object (adding the extra feature of a prism sheet between the planar illuminator and the object a feature which Ohkawa does not teach)

- Leadford (6,213,625) et al teaches a lens structure for a light guide, which
 teaches a multitude of concavo-convex lens structures for reflecting and
 refracting light emitted from the light source. Leadford does not teach a random
 distribution of these reflecting structures.
- Aho et al (4,874,228) teaches a backlit display with a light source and a curved reflective optical film that curves upwardly towards the end of the device in order to produce a uniform illumination over the entire area over an optical window.
 Aho does not teach the randomly formed concavo-convex reflection surface as shown by the instant invention.

Furthermore sufficient motivation to combine the above references or any of the prior art of record to anticipate the instant invention has not been found.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anabel M. Ton whose telephone number is (571) 272-2382. The examiner can normally be reached on 08:00-16:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Sandra O'Shea can be reached on (571) 272-2378. The fax phone number

for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Anabel M Ton

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Examiner

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AMT

Stephen Husar Primary Examiner